



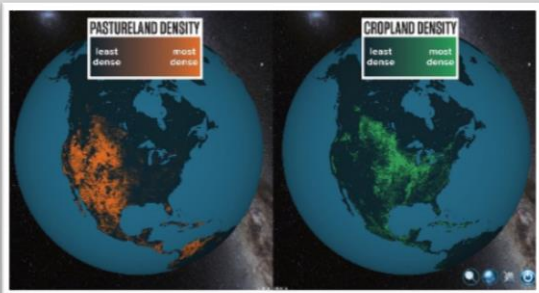
SOS ExplorerTM

Classroom Data Visualization

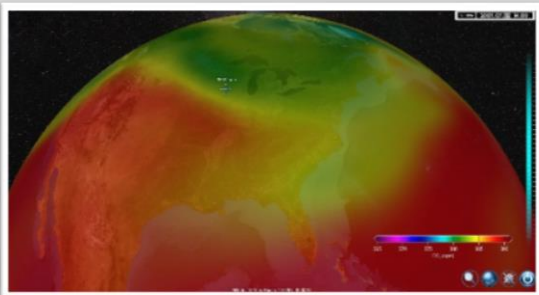
Earth System Research Laboratory (ESRL)



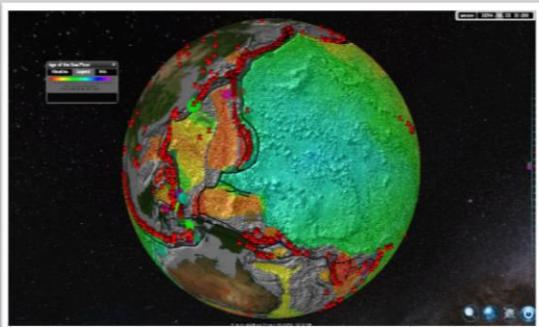
Search and download data for offline use



View multiple data sets on synchronized globes



Probe the values in the data for deeper exploration



Layer data – seen here is the age of seafloor, earthquakes and locations of volcanos

What is SOS ExplorerTM?

Science On a Sphere[®] (SOS), a room-sized giant animated globe, has been a worldwide leader in Earth science exhibits. A desktop-based version of Science On a Sphere[®], SOS ExplorerTM, helps bring this experience into classrooms and homes. SOS ExplorerTM builds upon SOS exhibits with many of the same datasets, but allows users to explore the data in ways that are not possible in an exhibit setting. The objective of the SOS ExplorerTM project is to expand the reach of NOAA's global and local data and its educational potential.

How does it work?

SOS ExplorerTM uses the NOAA-developed TerraVizTM visualization engine to create an interactive Earth for flat screen displays including those projected on walls, computers, tablets and phones. Designed for a world where everything is in motion, SOS ExplorerTM allows fluid interaction across time and space. A user can plot a location, probe the data around it, compare the data over time, and make a graph of the information.

http://sos.noaa.gov/SOS_Explorer/

Build interactive content

SOS Explorer™ enables the telling of comprehensive stories by compiling data sets, adding supplementary information, and assessing students learning through “tours.”

A goal is to incorporate citizen science data entry and visualization to provide a compelling tool for science education.

Join our newsletter

Program testing will begin in winter and spring, with a full release in fall of 2015.

Would you like to be a usability tester of SOS Explorer™?

Contact us today!

http://sos.noaa.gov/SOS_Explorer/

Contact

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Time series of Hurricane Sandy captured by the GOES-13.